



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/524,177

01/20/2006

Shaily Verma

PU020378

2821

24498

7590

04/12/2006

THOMSON LICENSING INC.
PATENT OPERATIONS
PO BOX 5312
PRINCETON, NJ 08543-5312

EXAMINER

NGUYEN, HUY D

ART UNIT

PAPER NUMBER

2617

DATE MAILED: 04/12/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/524,177	Applicant(s) VERMA ET AL.	
	Examiner Huy D. Nguyen	Art Unit 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 February 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. The Art Unit location of your application in the USPTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Art Unit 2617.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 1, 4, 8, 11 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

4. Claim 1 recites the limitation "the mobile wireless" in line 11. There is insufficient antecedent basis for this limitation in the claim.

5. Claim 4 recites the limitation "the terminal" in line 2. There is insufficient antecedent basis for this limitation in the claim.

6. Claim 8 recites the limitation "the terminal" in lines 5, 6, 11. There is insufficient antecedent basis for this limitation in the claim.

7. Claim 8 recites the limitation "the mobile wireless" in line 9. There is insufficient antecedent basis for this limitation in the claim.

8. Claim 11 recites the limitation "the terminal" in lines 2, 3. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

9. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

10. Claims 1, 8 are rejected under 35 U.S.C. 102(b) as being anticipated by Sawyer et al. (U.S. Patent No. 5,920,814).

Regarding claims 1 and 8, Sawyer et al. teaches a method for protecting the identity of a mobile wireless terminal during attachment to a wireless network, comprising the steps of: receiving in the network a request for access from a mobile wireless terminal previously registered with the network (this step is inherent);

querying at least one serving node in the wireless network to recognize the mobile wireless network in accordance with a temporary identity contained in the access request (inherent), but if no serving node recognizes the mobile wireless terminal, then launching a query from the one serving node to a register in the wireless network storing identity information of previously registered mobile wireless terminals to identify the mobile wireless from its temporary identity; and sending an identification response from register to the at least one serving node to identify the mobile wireless terminal (see column 1, lines 49-61; column 2, lines 9-14 and lines 20-23).

Claim Rejections - 35 USC § 103

11. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

12. Claims 2-3 and 9-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sawyer et al. in view of Rautila et al. (U.S. Patent No. 6,853,851).

Regarding claims 2-3 and 9-10, Sawyer et al. teaches the claimed invention except the step of updating the register each time the temporal identity of the mobile wireless terminal is allocated. However, the preceding limitation is taught in Rautila et al. (column 9, lines 3-6). It would have been obvious to one having ordinary skill in the art at the time the invention was made to apply the teaching of Rautila et al. to the teaching of Sawyer et al. so that various forms of telecommunication can be integrated and controlled as one entity.

13. Claims 4-5 and 11-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sawyer et al. in view of Rautila et al. and in further view of Quick, Jr. et al. (US 2003/0112976 A1).

Regarding claims 4-5 and 11-12, the combination of Sawyer et al. and Rautila et al. teaches the claimed invention except that the one serving node discards a stored temporary identity for the terminal upon receipt of a detachment request and an acknowledgement from the terminal. However, the preceding limitation is taught in Quick, Jr. et al. (paragraph [0031]). It would have been obvious to one having ordinary skill in the art at the time the invention was

Art Unit: 2617

made to apply the teaching of Quick, Jr. et al. to the teaching of Sawyer et al. and Rautila et al. to free up memory in the HLR/VLR.

14. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Sawyer et al. in view of Rautila et al. and in further view of Warsta (U.S. Patent No. 5,713,073).

Regarding claim 6, the combination of Sawyer et al. in view of Rautila et al. teaches the claimed invention except the step of storing a new temporary identity for the mobile wireless terminal following temporary identity reallocation when the wireless telephony network initiates detachment of the mobile wireless terminal. However, the preceding limitation is taught in Warsta (see column 7, lines 51-54). It would have been obvious to one having ordinary skill in the art at the time the invention was made to apply the teaching of Warsta to the teaching of Sawyer et al. and Rautila et al. to reduce the restriction of capacity caused by location updating traffic in visitor location registers.

15. Claims 7 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sawyer et al. in view of Warsta (U.S. Patent No. 5,713,073).

Regarding claims 7 and 14, Sawyer et al. teaches the claimed invention except the step of storing both new and old temporary identities for the mobile wireless terminal in the register following a temporary identity reallocation. However, the preceding limitation is taught in Warsta (see column 7, lines 51-54). It would have been obvious to one having ordinary skill in the art at the time the invention was made to apply the teaching of Warsta to the teaching of

Art Unit: 2617

Sawyer et al. to reduce the restriction of capacity caused by location updating traffic in visitor location registers.

16. Claim 13 rejected under 35 U.S.C. 103(a) as being unpatentable over Sawyer et al. in view of Rautila et al. and in further view of Quick, Jr. et al. and Warsta (U.S. Patent No. 5,713,073).

Regarding claim 13, the combination of Sawyer et al., Rautila et al., and Quick, Jr. et al. teaches the claimed invention except the step of storing a new temporary identity for the mobile wireless terminal following temporary identity reallocation when the wireless telephony network initiates detachment of the mobile wireless terminal. However, the preceding limitation is taught in Warsta (see column 7, lines 51-54). It would have been obvious to one having ordinary skill in the art at the time the invention was made to apply the teaching of Warsta to the teaching of Sawyer et al., Rautila et al., and Quick, Jr. et al. to reduce the restriction of capacity caused by location updating traffic in visitor location registers.

Conclusion

17. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Huy D. Nguyen whose telephone number is 571-272-7845. The examiner can normally be reached on M-F.

Art Unit: 2617

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph H. Feild can be reached on 571-272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Huy Nguyen



JOSEPH FEILD
SUPERVISORY PATENT EXAMINER